

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/GB2004/004566

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 A61M1/00 A61M3/02 A61M27/00 A61F13/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 A61M A61F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 84/01904 A1 (SWANBECK, GUNNAR) 24 May 1984 (1984-05-24)	1-7, 11
Y	page 2, last paragraph - page 4, paragraph 2; figure 1	8-10
Y	WO 00/50143 A (NXSTAGE, INC) 31 August 2000 (2000-08-31) abstract	8-10
X	WO 02/092783 A (CHILDREN'S MEDICAL CENTER CORPORATION) 21 November 2002 (2002-11-21) paragraphs '0009!, '0062!, '0075!, '0087!; figures 8b, 9	1-7, 11
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

10 February 2005

Date of mailing of the international search report

23/02/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax (+31-70) 340-3016

Authorized officer

Lakkis, A

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	WO 2004/037334 A1 (SMITH & NEPHEW PLC; BLOTT, PATRICK, LEWIS; GREENER, BRYAN; HARTWELL, E) 6 May 2004 (2004-05-06) page 25, line 1 - line 17 claim 9 the whole document	1, 2, 6-11
X	DE 40 12 232 A1 (GROSS, FRANZ JOSEF, 5419 LINKENBACH, DE) 17 October 1991 (1991-10-17) column 4, line 32 - column 5, line 37; figure 1	11
A	US 5 487 889 A (ECKERT ET AL) 30 January 1996 (1996-01-30) column 2, line 14 - line 29	3-5
A	WO 00/07653 A1 (HILL-ROM, INC; HENLEY, ALAN, WAYNE; MOSES, LEIGH, MARIE; SANDERSON, RO) 17 February 2000 (2000-02-17) page 8, line 14 - line 18 figures	1-6

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## Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 12  
because they relate to subject matter not required to be searched by this Authority, namely:  
Rule 39.1(iv) PCT - Method for treatment of the human or animal body by therapy
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB2004/004566

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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WO 0007653	A1	17-02-2000	AU 757347 B2 AU 5255599 A CA 2338443 A1 EP 1100574 A1 HU 0103545 A2 JP 2002524109 T NO 20010485 A US 6458109 B1	20-02-2003 28-02-2000 17-02-2000 23-05-2001 28-02-2002 06-08-2002 29-01-2001 01-10-2002